ENTRIES AT WARRENTON

Northern Virginia-Washington

Breeders Among Winners.

WARRENTON, Va., January 29.-

Washington and District breeders fig-

Special Correspondence of The Star.

All Around the Place.

time, each contributing to the success

of the other in various ways. Fruit

trees afford the shade and protection necessary for fowls and bees. They yield food in blossoms, insects and fall-

n fruits and in return are benefited by

osing all that is so eagerly devoured

by the industrious beneficiaries of their

beauty. Fowls not only decrease the

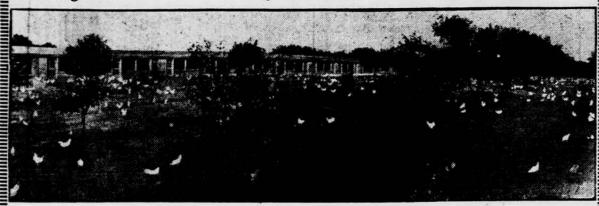
insect pests in the orchard, but they

deposit rich nourishment unsurpased in quality for soil. The majority of

ngton shows.

Day-Old Chicks

Eggs for Hatching



## The Wm. H. Schrom Model Poultry Farm

Breeder of Danish S. C. White Leghorns, Agent for the Hill Colony and Magic Brooder R. F. D. BERWYN, MARYLAND

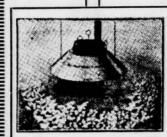
C. & P. Phone 37-12, Also Brooder Agency, 1314 Md. Ave. N. E., Washington, D. C.

All breeding stock are main tained in modern, open from houses and are entirely separat-ed from the layers. They have free range of clean grass fields during the entire year and only occupy the same field once in four years. This system has ab-solutely eliminated disease and soil contamination.

As a result of the rotation system our eggs have a very high hatching percentage of strong, healthy chicks, unequaled in their ability to live, grow and resist disease.

Visitors are cordially welcomed at all times.



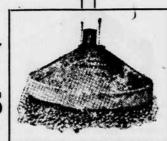


THE HILL SELF-REGULATING oal Burning Colony Broods Pat. Sep. 7, 1915. PRICE, \$30.00 and \$32.00.

MY FELLOW POULTRYMEN: I Wish to Inform You That THE HILL COLONY

M'AGIC BROODERS Are Absolutely the Best on the Market

THE MAGIC BROODER is a wonder for \$15.00. It is equipped with both top and bottom draught and regulates excellently for a small brooder. It needs no attention during the night and holds the fire well.



THE MAGIC SELF-REGULATING Coal Burning Colony Brooder PRICE, \$15.00.

### But I Can Tell You That

#### The Hill Colony Brooder Leads the World in Construction and Efficiency

I speak from experience. I have tried several makes. I thought I was using the best make of brooder until ted a Hill Colony Brooder. It was so far ahead of what I was using that I decided within 48 hours to sell my ders and purchase the Hill Colony, which I did.

I am frank to say I made no mistake. I consider the Hill Colony brooder a revelation to the poultry busiAs the secret of success lies in the brooding of the chicks, consequently the brooder is the very heart and

I am frank to say I made no mistake. I consider the Hill Colony brooder a revelation to the poultry business. As the secret of success lies in the brooding of the chicks, consequently the brooder is the very heart and life of the business. You should be very careful when selecting a brooder, as your judgment in the matter will decide your fate.

The Hill Colony Brooder looks like business from start to finish and is not a toy. It is built for actual service and not as a plaything. I want to say to you it does the work to perfection. You never have any trouble with the fire going out or with keeping an even temperature, which is the secret of successful brooding, as the life of the chick depends mostly on the heat for the first few days. To start a chick off right is three-fourths of the battle. I believe the only way for a person to know the quality and superiority of the Hill Colony Brooder is to row one allows side of another make.

the battle. I believe the only way for a person to know the quality and superiority of the Hill Colony Brooder is to run one along side of another make.

Remember, when you purchase a brooder you are buying a mother to brood chicks. You are dealing with life and not material. You need the best mother that money can buy, no matter what the cost. Your success hinges on the brooder. Adequate equipment is the foundation of success. Unless you are equipped for growing the chicks from shell to maturity, they will not produce a profit, but instead bring disappointment and failure.

I have been through the mill and paid well for my experience. You should profit by it.

Remember, it is your loss if you own a poor brooder. One chicken raised at a profit is letter than ten raised at a loss.

Send for circular describing the Hill Colony and Magic Brooder. Or, better still, call and examine the birds ed with the brooders last season.

I can fill orders promptly for brooders. Address

WM. H. SCHROM, R. F. D., BERWYN, Md., and 1314 Maryland Avenue N.E., Washington, D. C. 

## Bolgiano & Co. Seed Store, 1009 B St. N.W.

Broods

100 to 1,500

Chicks

Prairie State Incubators

Design. Development and Adaptability
Prairie State Incubator was first built in 1881 and

Since then, hundreds of models have been built and tested with a view to co-ordinating efficiency with these original principles of design, and from time to time the incubator has been altered and improved in so far as the dictates of experience and the criticisms and suggestions of thousands of operators have warranted. The machine, consequently, is a developed product, having reached its present form through a process of experimenting in construction intended to perfect an incubator which should meet every possible condition, have the widest hatching ability, and reduce to lovest terms the chance of failure on the part of even the most instructional contractions of the construction of the contraction of the contractions of the contraction of the contractions of the contract as the criterion in modern incubator construc-

Prices
60-Egg ... \$9.00 390-Egg ... \$38.00
100-Egg ... \$18.00 240-Egg ... \$32.00 Cornell University Uses the Prairie State as \*

Standard Incubator. Seed Catalogues Free

You can't make things grow unless you keep and fertile. This can only be done by putting back ments that every crop takes away with it. Nothing so well as good manure.

SHEEP MANURE Is most convenient and economical—'A Wagon Load in a Bag"—dry, fluely pulverized, without weeds, waste or refuse.

If you really want the greenest kind of a velvety lawn and gardens that will be a delight to possess, flowers of rare foliage and bloom, fruits and vegetables and berries that come near to perfection, give your soil a good dressing of Wizard Brand Sheep Manure the first thing this spring. Price List (Prices Include Delivery) 100 Lbs.....\$1.50 F. W. BOLGIANO & CO., Inc., 1009 B Street N.W., Washington, D. C.

Colony Brooders

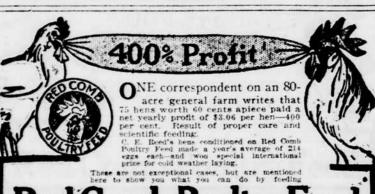
The Greatest Coal-burning Brooder Ever Invented. 30 DAYS' TRIAL FREE Sheep Manure for Lawns

One Bag Equals Whole Wagon Load of Barn Yard Manure

Only \$14.00

Smaller Size,

\$11.00



Red Comb Poultry Feed

The quick developer of market birds, show birds and layers, Start feeding now for winter eggs. Red Comb Meat Mash is prepared especially to keep bens in condition to lay steadily. Get more eggs this winter while they bring top prices. Don't let your fack stop laying. You can feed Red Comb cheaper than you can mix your own feed. See your dealer or write us for "Feeding Poultry for Profit"—a valuable book for every poultry raiser, written by six poultry experts. Don't delay your feeding—start now for winter eggs. EDWARDS & LOOMIS COMPANY
345 N. Elizabeth Street, Chicago, I Chicago, Illinois.

Iso Manufacturers of Famous Line of Red Horn Dairy Feeds The following dealers sell Red Comb Feed:
Dickey Bros., Washington & Hystisville, Md.
E. T. Simpson Co., 3348 M st. n.w.
Wilkins & Jordan, Sliver Spring, Md

## CONKEY SAYS:-

DON'T WORRY-Worms have to "clear out" when you put a little CONKEY'S FOULTRY WORM REMEDY in your birds' feed. Get a gackage. Dealers everywhere. package. Dealers everywhere.

BUFF ORPINGTON. White Leghorns, pullets
bens; also portable house, wire run. 334
304 TEN YEARLING Silver Campine hens, all laying: a bargain to close out. W. G. Lee, 1319
Euclid st., or Phone M. 7765.

INCREASE YOUR EGG SUPPLY. Stone's Red Powder-Stone's Multum Ovum-Will stamp out "White Diarrhea" in little chicks WASHINGTON POULTRY SUPPLY HOUSE, 909 H St. N.W. Phone Main 1728. CONKEY SAYS:-

ON'T WORRY-Repulsive sorehead (chicken-pox) need no longer be dreaded. CONKEY'S SOREHEAD REMEDY will quickly stamp it out. Keep a package handy. Dealers every-where. Phone L 539 15 for \$1.00 E at. s.e.

TISPIELD STRAIN S. C. WHITE LEGHORN and Barred Rock eggs, \$1 per 10; \$6 per 100;

and Barred Rock eggs, \$1 per 15; \$6 per 100;

and Barred Rock eggs, \$1 per 15; \$6 per 100;

Mammoth Pekin ducks, \$4 a trie. Game bander day-old chicks, now, \$15 per 100; cock
tale, \$2 up. A. C. Johason, 2314 Naylor rd. s.e.

Forest Gien, Md. Tel. Ken. 51.



# Leghorns

Young and Rice Strains. The Big, Stay-White Kinds. Bred to Lay. Eggs from Large,

Vigorous, Pure White Stock, 15 Big White Eggs, \$1.00. 100 Big White Eggs, \$6.00. Every Egg Guaranteed Fertile. THOMAS C. POLLOCK,

1614 W St. S.E., Washington, D. C. Phone Linc. 1670. CONKEY SAYS:-

DON'T WORRY—Hens, like humans, get "fagged out" at times, but CONKEY'S POULTRY TONIC puts new life into them and makes them enjoy working for you. Dealers Every-where. where.

FRANK A. KERR INVITES INSPECTION
Imperial "Ringlet" Barred Plymouth Bocks.

STOCK AND EGGS FOR SALE.

1381 Wisconsin ave. n.w., Wash., D. C.

22.50 FOR 15 SETTING EGGS. Polish and White Bock; pullets and cockerels; old and young. B. E. Lee. Phone Kensington, Md.,

14-F. 14-F.
ON ACCOUNT of removal, will sell my stock of Regal Strain White Wyandottes, hens, pullets and cockerels, for \$1 each. Eggs for settings, 50c for 13. M. K. Walton, Vanderverken, Va. 1\*

50c for 13. M. K. Walton, Vanderverken, Va. 1\*
PARKS\* 200 EGG BARRED ROCKS-Pens headed by sons of Betsy Betty, 253 eggs, third international egg-laying contest. All stock trap nested. Bend for circular, 15 eggs, \$1.50. 50, \$4.50.

F. W. MATTESON, 3838 Woodley road.

BOSTON BULLS-2 months old; cheap. 3115 Newton st., Mt. Rainier, Md.

POULTRY, DOGS, PET STOCK.



Dr. Hess' Poultry Pan-a-ce-a Costs Only ic a Day for 30 Fowls.

The Winter Layer

Is the Only Payer. E. T. SIMPSON CO.,

SCHULTZ'S **SEED STORE** 304 10th St. N.W. Tel. Main 222. Try Our Makem Lay Feed





Cyphers Incubator.

Fire Proofed-Insurable.

To own a Cyphers is to have an incubator that stands first, not only because it has affixed to it the fire insurance label granted by the National Board of Fire Underwriters and bearing a worldwide reputation. tional Board of Fire Underwriters and bears a world-wide reputation, but because of the well established fact that it is the best hatcher of large, vigorous, livable chicks. It is positively guaranteed to outhatch any other make of incubator under widely varying conditions, season after season, and to last ten years without repairs

C. M. Woolf & Co., INCORPORATED.
1005 B st. n.w., Wash., D. C.

## Star-Egg-O tones up the fowl's system, aids digestion, and helps system, aids digestion, and helps through the moult. It is the Egg to Tonic that puts the eggs in the basket and the dollars in the bank. Packages 25c, 50c, and \$1.00.

THE STAR ROUP POWDER Coultry and Live Stock Tonics, Rem Foods are a superior line for the poul and live stock breeder. Send for ie. If your dealer cannot supply

GOLDEN & COMPANY, Sale Aces

CARL D. RITTER, Prop. Phone N. 756. J. P. V. Ritter's Son ATTENTION!

Chicken and Pigeon Raisers GET RITTER'S SCIENTIFIC MIXTURE OF HEN SCRATCH FEED AND DRY MASH, which fills the basket when eggs are highest. No higher than inferior feed, 706 O ST. N.W., WASHINGTON, D. C.

#### S. C. WHITE Leghorns PALMER'S COMMERCIAL STRAIN.

Baby Chicks Eggs for Hatching

Breeding Stock New seedings may be top-dressed at any time except during wet weather when the ground is soft.

Custom Hatching , 5,000-EGG CAPACITY.

Pimmit Poultry Plant RALPH L. PALMER, Prop., McLEAN VA.
Near Selva Station on Great Falls Trolley.

#### Golden Wyandottes; Never Beaten; Show Record; Fine Lavers. Pullets and Cockerels

at Reasonable Prices. Book orders now for best eggs at \$2.00 for 15-or \$5.00 for 30. I replace all infertile eggs F. D. GASKINS, Warrenton, Va. \*

Beall's S. C. White Leghorns Eggs from exhibition mating consisting of birds that won 1st pen. 1st and 2nd pullet at Laurel; 1st and 3rd pullet, Baltimore; 2nd pen, 1st, 4th, 5th and special for best pullet any variety, Hyattsville, 1915; mated to 2nd cockerel at Mt, Rainler, 1914; price, \$3.50 for 15. Utility eggs from free-range stock, \$1.50 for 15; \$7 for 100, guaranteed, Chicks, \$15 a 100. Electric car station on premises.

R. E. BEALL, "Three Oaks," Berwyn, Md. CYPHERS INCUBATORS CHEAP—Only used once; one 70-egg, one 240-egg; latest models Address 3329 18th st. n.w. Address 3329 18th st. n.w.

FOX TERRIER—Nine months old; house broken; reasonable; children's pet; owner leaving city. Dr. Grant, 1208 25th st. n.w.

BREEDERS—White Leghorn Cockerels; five; vigorous range raised; Pittsfield laying strain; 42.00. C. Chandlee, Silver Spring, Md.

5\*

DECEMON. Thirts water large, Homing, necessary. PIGEONS—Thirty pairs large Homing pigeons good breeders; sell cheap. 1027 Jackson st. Brookland. N. 1080. 31\* Brookland. N. 1080. 31° UPPIES Cocker spaniels; red and other colors; eligible to registration; reasonable. Call Co-lumbia 30° lumbia 36.

GET your eggs for hatching from my heavy-laying strain Rhode Island Reds. 2801 South Dakota ave. Woodridge.

FOR SALE—Fine, high-grade R. C. Red Cockerels, exceptional egg strains, \$1.50 and \$2; good score bird, \$2.50. Mrs. H. F. Lane, Frankin Park, East Falls Church, Va. Phone Rosslyn 129-F.

Rosslyn 129-F.

FANCY BARRED ROCK COCKERELS.
Pure strain. Price, \$2.50.
3112 South Dakota ave. n.e.
Phone N. 4340.

BOSTON BRINDLE BULLDOG; full blooded:
female: \$10 cash. 3410 Brown st. n.w. Phone

Col. 5325.

COCKERELS for sale; five high-grade R. C. red cockerels, exceptional egg strains, \$1.50 and \$2; good score bird, \$2.50. Mrs. H. F. Lane, Frank-in Park, East Falls Church, Va., R. F. D. No. 1. Phone Rosslyn 129-F.

Live Stock Pointers.

The advocate of baby beef has as his chief argument that young and growing animals make cheaper gains than house. It can be worked over in of grain increases with the age of the SHOW HIGH CLASS for lean meat is a watery tissue compared with fat and is a less concenrated product. Fat is the most concentrated animal product we have.

Poultry Exhibit Best Ever Held in The man who had the forethought to provide plenty of good carrots and mangles is exceedingly well fixed for bringing the farm animals through the winter in good condition.

A good many dairymen are feeding skim milk to their cows. The animals seem to relish it, and, as it is not a fat-tening food, it does them no harm.

ured largely among the prize winners at the Warrenton poultry show, which closed yesterday. The display was declared by exhibitors and judges to be the best ever held in northern Virginia and it was further asserted that the class displayed by the many entries

the New York, Philadelphia and Wash-A suggestion made by judges and officials of the Warrenton show is ex-

pected to be taken up with officials of the National Capital Poultry and Pigeon Association. This is that the latter organization combine with similar associations in Virginia, Maryland, West Virginia and the Carolinas to hold one big show in Washington each year. Such a show, it is held, would eaclipse anything possible from the efforts of any single organization, and would take rank with the big Madison Square show in New York. It is expected the proposition will be laid before the various organizations mentioned in the near future of the proposition of the proposition will be laid before the various organizations mentioned in the near future of the proposition will be laid before the various organizations mentioned in the near future of the proposition with the proposition with the proposition will be laid before the various organizations mentioned in the near future of the proposition with the p ore the various organizations men-tioned in the near future. Washington winners here were: F. A.

Washington winners here were: F. A. Kerr, who took first and second cock; first, second and fourth hen; first and second cockerel, first, second and third pullet and first and second pen in the barred Plymouth Rock class; E. J. Hickey, whose light Brahma bantams won first cock, first, second and third hen, first, second and third cockerel and first, second and third pullet; El-wood Taylor, an officer of the National Capital Poultry and Pigeon Association, was a large winner at the show on white Wyandottes. F. D. Gaskins, Warrenton, captured his share of prizes on golden Wyandottes, in a class including more than fifty entries. J. E. Kee-

Sell the undersized, unsound mares and geldings as soon as possible and replace them with carefully selected, heavy graded mares. Carefully managed, such brood mares should easily do the work of the farm. From them it is possible to raise profitable foals. ing more than fifty entries. J. E. Kee-fauver of Berwyn, Md., won four firsts on blue Andalusians. C. H. Smith of Warrenton won four firsts, three sec-

warrenton won four firsts, three seconds, two thirds, two fourths and two fifths on his dark Cornish, in addition to capturing first for the best pen, any breed, in the show. H. R. Turner of the Plains won first cockerel, any preed, in the show with a white Wyandette.

Pork production returns to the soil the grain food elements that are consumed by the hogs, but cattle and sheep feeding make possible the use of clover, alfalfa and corn fodder and return them to the soil in a manner that will encourage the growth of more clover, alfalfa and grain in the crop rotation and thus preserve the fertility of the soil. ultural interests, poultry raising, fruit growing and bee keeping can be compined to the best advantage. Poultry, ruit and bees are directly benefited by being kept together. Three essential crops, meat, fruit and honey, can grown on the same ground at one

Good protein hay from clover or cowpeas, combined with some nice corn stover (stover is simply the stalk without the ear, and may be used whole or shredded) will make a satisfactory roughage for feeding young heifers.

farmhouses and suburban residences have orchards or plots of ground that with very little preparation can be made into ideal poultry runs. Where beginners are planning a plot to set out in fruit, future growth should be considered. Standard apple trees should be alented thirty-five or forty feet

baby chicks in the young fresh-planted trees and bushes to prevent damage of and vigorous.

Improvement in the horse stock of this country has never been offered greater opportunities than now. The ground in these has been bought and shiped out, fields is not firm and considerable damage is done by the trampling of the plants, especially during wet weather. Fields established a year or more may be pastured lightly in the fall, but should never be eaten down close.

If the growth of alfalfa is not very strong the field may be top-dressed any time during the fall, preferably family after the third cutting has been premoved.

New seedings may be top-dressed at any time except during wet weather when the ground is soft.

New seedings may be top-dressed at any time except during wet weather when the ground is soft.

Lime sulphur is not a good spray

Lime sulphur is not a good spray mixture for potatoes. This is the decision of the New York experiment station after a series of tests. Where lime sulphur was compared with bordeaux mixture as a remedy for potato blight it was found the lime sulphur decreased the yield about twenty-five bushels per acre, while the bordeaux increased the yield twenty bushels per acre.

Manure for spring crop should be well rotted and fine. It should be spread on top of the plowed ground and well harrowed in. Harrow the field three times across the furrows the full length of the field, and then diagonally. A thorough mixing of the manure with the soil acts quickly, and less manure will be needed. Long, coarse manure should be spread over the sod and plowed under. The proper time to spread fresh manure and long stalk and straw manure is during the winter and early in spring. When coarse manure is plowed under late in the spring it will take some time to rot, and is sure to make the soil too loose, allowing the free entrance of air and the loss of a great amount of moisture, which is needed by the corn. If this coarse manure is plowed under roll the ground; if it is dry as soon as plowed then harrow and roll to compact the ground, and just before it is time to plant harrow the field both ways with the spring-tooth harrow, followed with the smoothing harrow. By this method the coarse stalks and straw will rot by June, and will be in condition to be taken up by corn roots in midsummer. Put the corn in with 250 pounds of some good bone fertilizer to the acre to promote quick, vigorous growth.

Give the calves and young things the warmest and sunniest corners of the barn. Their quarters must be clean, dry and light, and well venti-lated, but with no drafts.

the spring-tooth harrow, followed with the smoothing harrow. By this method the coarse stalks and straw will rot by lune, and will be in condition to be taken up by corn rotos in midsummer.

The corn in with 250 pounds of some good beer fearly and the coarse stalks and straw will rot by some good beer fearly and the coarse stalks and straw will rot by some good beer fearly and the coarse stalks and straw will rot by some good beer fearly and final state of the care to some good beer fearly and the coarse stalks and straw will rot by some good beer fearly and the coarse stalks and straw will rot by some good beer fearly and the coarse stalks and straw will rot by some good beer fearly and the coarse stalks and straw will rot by some good beer fearly and the coarse stalks and straw will rot by some good beer fearly and the coarse stalks and straw will rot by some good beer fearly and final summer.

An important item that is often overlooked in the management of the daily ratios of the grubs in 1912 by the carte, when deprived of salt, because the state of the grubs now and finally suffered a complete the part of the grubs now and finally suffered a complete the state of the grubs now and finally suffered a complete the state of the grubs now and finally suffered a complete the part of the grubs of the cattle, when deprived of salt, because the state of the grubs now and finally suffered a complete that the cattle, when deprived of salt, because the state of the grubs of the cattle, when deprived of salt, because the state of the grubs of the cattle, when deprived of salt, because the state of the grubs of the cattle, when deprived of salt, because the state of the grubs of the cattle, when deprived of salt, because the state of the grubs of the

## Poultry Yard Notes.

ULTRY

For a small flock of fowls a plano box makes a very convenient poult: older ones, or that the cost of a pound different styles. Usually the affair is made only one story high. This is no animal. This law is well established as economical of space as a two-stor and is primarily due to the fact that house described in a recent issue of growth and lean meat requires less farm magazine. Such a house will ood for its production than does fat, commend itself to those having very limited space. The second floor placed about a third of the way up from the lower floor. It may be made

seem to relish it, and, as it is not a fattening food, it does them no harm.

Whether or not it pays to grind corn
for fattening pigs depends upon the
price of the corn and the facilities and
cost of grinding, which vary with the
seasons and the conditions on the
a,
farms.

Our whole system of cattle feeding
has been largely built up upon cheap
grain foods, and we have been making
to the little use of forage and hay in the
production of our beef. Feeders must
introduce better methods of producing
their beef and not go out of business
for the reason that grain foods are
the product to the reason that grain foods are
the production of our beef. Feeders must
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the production of the feeding and be readily removable. A trap door fits obtained in the
upper floor when necessary. The roosts
sufficient for from fifteen to twenty
business devices a window
white Leghorns should down the breed.
Eighteen Rhode Island Reds or
white Leghorns should overied with roofing
paper to keep out the wet. The trap
door when n

try building should be thoroughly fumigated, not alone to destroy lice and mites, but to kill disease germs which may lurk in the cracks between boards and in the dust that the timbers. The easiest to use the sulphur candles the purpose and sold by have since changed and methods must be varied to meet the new conditions in beef production. We are forced to adopt more economical methods of production.

A few good brood mares on the ordinary farm, if bred to a good stallion, and stallion and stallion.

adopt more eonomical method.

A few good brood mares on the ordinary farm, if bred to a good stallion, should produce several good colts every year, besides doing the ordinary farm work. To secure the best results the brood mare that does the farm work must be given the best care and attention.

The careful herdsman avoids digestive disorders in the calf by feeding the skim milk warm and using only clean buckets. Overfeeding also helps in dering to derange the digestive tract and should be avoided. From the time that the calf is born until it is well grown healthful growth.

Sell the undersized, unsound mares and colors and an advanced on the same time.

All windows and doors should be avoided. From the time that the calf is born until it is well grown healthful growth.

Sell the undersized, unsound mares and colors and in the pant of the fumes. The contents of one pant will fumigate a house ten to fifteen feet wide and twelve to fifteen feet long. For a long building several pans must be used at the sulphur is burns wall. Will grow the same time.

All windows and doors should be confined what you want. Visit pools. When you have decided with a clean stall. This prevents navel ill and insures a healthful growth.

Sell the undersized, unsound mares and colors and the same time.

All windows and doors should be confined what he confined what he confined what he calf while the sulphur is burns well. Will grow the same time.

All windows and doors should be confined what he confined what he calf while the sulphur is burns.

All windows and doors should be confined what he confined what he calf while the sulphur is burns.

As to the Birds Themselves.

You may take your choice of breeds.

One man likes a big, slow, sociable sort of a fowl; he can find what he wants among the hundred or more breeds and varieties. Another man admit be used at the same time.

All windows and doors should be confined what he can find what he can find what he wants among the hundred or more sulphur without damaging of the finders.

As to

self the undersized, unsound mares and geldings as soon as possible and replace them with carefully selected, heavy graded mares. Carefully managed, such brood mares should easily do the work of the farm. From them it is possible to raise profitable foals.

The men who are most interested are the ones who raise their own feeders and make a practice of taking the very best of care of their animals. No man can go out and buy the class of young feeders that are demanded in the production of baby beef.

Pork production returns to the soil the grain food elements that are consumed by the hogs, but cattle and sheep feeding make possible the use of clover, alfalfa and corn fodder and return them to the soil in a manner that will entourage the growth of more clover, at a temperature of from 60 to 70 decourse.

alfalfa and corn fodder and return them to the soil in a manner that will encourage the growth of more clover, alfalfa and grain in the crop rotation and thus preserve the fertility of the soil.

Experiments at the Kansas and Indiana stations show that the continued feeding of moldy corn to horses causes nervous and intestinal troubles of a serious nature.

A ration consisting of two-thirds corn and cob meal and one-third bean meal may be fed to dairy cows with good results.

A feed of roots, especially carrots, is greatly relished by the colt, if, when they are cut up, a little oil meal is scattered over them.

Good protein hay from clover or cowpeas, combined with some nice corn stover (stover is simply the stalk without the ear, and may be used whole or shredded) will make a satisfactory

Many feed oyster shells and believe

Many feed oyster shells and believe that this is all that is required in the line of grit. Oyster shell is necessary for the welfare of the hens, supplying A limited amount of silage may be considered. Standard apple trees should be planted thirty-five or forty feet apart each way, as the trees do not get large enough to bear under ten years, nor attain full growth under twenty years. Many desirable crops can be secured in the meantime by setting out two peach or plum trees, or rows of pear and cherry trees between the apple trees. This leaves ample room for bush fruit or berries to be raised and cultivated. It is best to put early baby chicks in the young fresh-planted trees and bushes to prevent damage to the wines.

A limited amount of silage may be fed with satisfaction to sheep—say the fed with satisfaction to sheep—say about the pounds per head each day. But it should be fed in connection with some dry roughage, such as clover or alfalfa hay, or even mixed hay and straw.

In very cold weather the sheep should have plenty of clover hay or corn fodder or such other roughage as is available on the farm. The ewes should be kept in a good, thrifty condition in be kept in a good, thrifty condition in order that the offspring may be healthy and vines.

Improvement in the horse stock of this country has never been offered vines.

A limited amount of silage may be fed with satisfaction to sheep—say the winch about ten pounds per head each day. But it should be fed in connection with some dry roughage, such as clover or alfalfa hay, or even mixed hay and straw.

In very cold weather the sheep should have plenty of clover hay or corn fodder or such other roughage as is available on the farm. The ewes should be abundant time to take care of the little for the trial time that goes into the formation of giggs, shell and bone, but it will not allower that it is too soft. Experiments have proved conclusively begin shell that till is necessary of the will not allower that it is too soft. For the reason that it is too soft. It is a matter of economy to keep that it is a matter of connection with the will not allower that it is too soft. It is a matter of connection with the w

require close attention and careful feeding. Many breeders say that they would be satisfied if they could only raise to maturity half of the fowls hatched. Although naturally wild, the turke

## PROFIT FROM TWELVE

One of the Best Paying Side Lines,

Dollar for Dollar, Now Open. Gold to Gather and Thrills Thrown

> in if You Follow This Light.

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BY G. R. SMITH.

is the first thought: Where removable so as to be readily cleaned—simply fit loosely on four or more supports, such as brackets. The lid should fit snugly over the frame and be easily raised by means of hinges. The fowls can reach this floor by walking up an incline.

A trap door fits over the opening so the fowls may be confined in the upper floor when necessary. The roots are found to the fowls may be confined in the upper floor when necessary. The roots sufficient for from fitteen to twenty.

Get as much sunlight into the hen-house as possible. Agrange the win-dows so that the rays from Old Sol will each day hit every square inch of floor space if possible. And remember, the birds must have fresh air, the open-front house is the down-to-date house. This means open windows during the quiet days of winter, even at the freez-ing point, and cloth screens for the windows all days except the most se-vere.

mires a small, quick, wiry bird; he can please himself from many different classes. Many prefer a "general purpose" breed, and they, too, can be abundantly accommodated.

Study every breed and all breeds, and then think what you want. Visit poultry shows. Study illustrated poultry shows. Study illustrated poultry books. When you have decided definitely what you want, what your ideal is, then go after it. Be willing to put a few dollars into the purchase of the fowls you really fancy. If you buy a 50-cent bird you will get out of cent enthusiasm. You will get out of cent enthusiasm. You will get out of your fowls in satisfaction what you put into them in study and zeal and

Almost everything depends on the world will not lay in winter without wise attention to feed and comfort and exercise. The house must be kept perfectly dry, have no wetness under feot or dampness overhead. Good ventilation will care for this largely. Plenty of will care for this largely. Plenty of nice, clean litter of straw or other similar substance from six to eight inches deep on the floor is an absolute necessity. Into this litter various kinds of grain should be scattered every day. The hens will dig every kernel of it out. Examine the litter frequently to see whether it has been overloaded with grain.

In thus earning their wheat by the sweat of their shanks the birds will

sweat of their shanks the birds will keep in the bloom of health, and songs keep in the bloom of health, and songs and eggs will soon be forthcoming, provided, of course, other things are looked after as carefully. Pure water must be kept constantly before them in one of the best patent drinking fountains you can purchase at the supply store. A warm mash of bran and middings is an excellent thing with which to start the little flock out in the morning, but do not give them so much that they will have no desire to dig in the litter for grain. In winter

the most serviceable to satisfy the demands for horse power.

Don't let the colts lose flesh on frost-bitten grass. Give them the run to of the pasture as long as possible, but supply sufficient nourishment to keep up condition and growth. There greatest difficulties confronting supply sufficient nourishment to keep up condition and growth. There greatest difficulties confronting supply sufficient nourishment to keep up condition and growth. There greatest difficulties confronting supply sufficient nourishment to keep up condition and growth. There greatest difficulties confronting has been to have the growth and development of a colt; look out for it. Hogs should have plenty of fresh water at all times, but it is always been to have this furnished from a well or spring on your own farm, for if they have access to streams that run through other farms before reaching yours there is great danger of the bowels in fowls is simply an indication of indigestion, or derangement of the digestive organs.

Weaklings should never be tolerated. Kill and bury the runts and crowheads, knoup is infectious and the weaklings are the ones to first become infected.

Discard both male and female birds that have an immature look or that h ndefinitely and economically.

breeders say that they field if they could only rity half of the fowls wrall will be fowls to roost under sheds, ter porter to have their in this way, at least ter months, but agreater he birds roam outdoors it, contending that this reder.

Darticularly subject to a as "blackhead," which in New England and whole flocks of young to the food.

Inder scrap has come into aimost universal use in the poultry yard as a source of protein, but, with the advent of cold weather and the lessened risk of trouble from decayed meat or bone, it may be profitable, and give the fowls an acceptable change, to give them a small quantity of fresh cut green bone every day or two. It certainly stimulates egg production, but it is best not continue it long.

This green bone feed is most appropriate where poultry are confined to small runs and get very little of insect food.